

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,817,112 B2
APPLICATION NO. : 09/915216
DATED : November 16, 2004
INVENTOR(S) : Berger et al.

Page 1 of 11

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page should be deleted to appear as per attached title page.

The sheets of drawings consisting of figures 1-12 should be deleted to appear as per attached figures.

On the cover page, in the Foreign Application Priority Data, delete "100 36 100" and replace with -- 100 36 100.5 --.

On the cover page, in the U.S. Patent Documents section, add the following U.S. patents references:

905,617	12/1908	Wood
2,408,792	10/1946	Margolin
2,474,815	07/1949	Brahm
3,273,265	09/1966	Reinert et al.
5,400,526	03/1995	Sessa
5,675,914	10/1997	Cintron
6,041,518	03/2000	Polycarpe
6,389,711	05/2002	Polegato
6,401,364	06/2002	Burt
6,446,359	09/2002	Tomat

On the cover page, in the Foreign Patent Documents section, delete the reference "0350 511 B1" and replace with --0350 611 B1--.

Signed and Sealed this

Nineteenth Day of September, 2006



JON W. DUDAS
Director of the United States Patent and Trademark Office

(12) **United States Patent**
Berger et al.

(10) Patent No.: US 6,817,112 B2
(45) Date of Patent: Nov. 16, 2004

(54) **CLIMATE CONFIGURABLE SOLE AND SHOE.**

(75) Inventors: Christoph Berger, Egloffstein (DE);
Gerd Rainer Manz, Weisendorf (DE)

(73) Assignee: adidas International B.V., Amsterdam
(NL)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/915,216

(22) Filed: Jul 25, 2001

(65) **Prior Publication Data**

US 2002/0017036 A1 Feb. 14, 2002

(30) Foreign Application Priority Data

Jul. 25, 2000 (DE) 100 36 100

(51) Int. Cl.⁷ A43B 7/06; A43B 7/08

(52) U.S. Cl. 36/3 B; 36/103; 36/29;
36/147; 36/181

(58) **Field of Search** 36/3 R, 3 A, 3 B,
36/98, 103, 107, 29, 28, 36 A, 34 A, 55,
141, 145, 147, 166, 181

(56) **References Cited**

U.S. PATENT DOCUMENTS

30,391	A	10/1860	Dexter	
41,879	A	3/1864	Webb	
60,987	A	1/1867	Ayer	
363,377	A	5/1887	Faye, Jr.	
387,335	A	8/1888	Barker	
556,825	A	3/1896	King	
570,814	A	11/1896	Owen	
592,822	A	11/1897	Parker	
896,486	A *	8/1908	Valiant	36/3 R
1,106,986	A	8/1914	Stücki	
1,138,557	A *	5/1915	Gustavson	36/3 R
1,535,207	A	4/1925	Dorff	
1,616,254	A	2/1927	Suárez	

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

CH	198 691	7/1938
DE	20808	4/1882
DE	121957	10/1900
DE	203734	4/1908
DE	32 25 451	7/1982
DE	G 9208 875.9	10/1992
DE	41 28 704	3/1993
DE	199 37 334	10/2001
EP	0350 511 B1	5/1995
EP	0857 433 A2	8/1998
EP	0927 524 A1	7/1999
EP	960 579	12/1999
EP	956 789	2/2000
FR	1 142 786	9/1957
GB	395 221	7/1933
GB	2 183 140	6/1987
GB	2 315 010	1/1998
IT	352511	9/1937
WO	94/06317	3/1994
WO	97/28711	8/1997
WO	99/66812	12/1999

Primary Examiner—Anthony Stashick

(74) Attorney, Agent, or Firm—Testa, Hurwitz & Thibault,
LLP

(57) **ABSTRACT**

Disclosed are articles of footwear and soles therefor, in particular sports shoe soles that include openings for ventilation and vapor exchange. The soles include an insole layer with a plurality of first openings, a support layer with a plurality of second openings that partially overlap the plurality of first openings, and an outsole layer with at least one third opening that at least partially overlaps the plurality of second openings to provide fluidic communications through the sole from an interior of the shoe to an exterior of the shoe. A substantial portion of the plurality of first openings in the insole are interconnected to provide a path for diffusion. The shoes and soles can include a cushioning layer, a tread layer, a breathable membrane, and additional support elements. In addition, the shoes can be used with climate control socks to further enhance the climate control properties of the shoes.

29 Claims, 9 Drawing Sheets

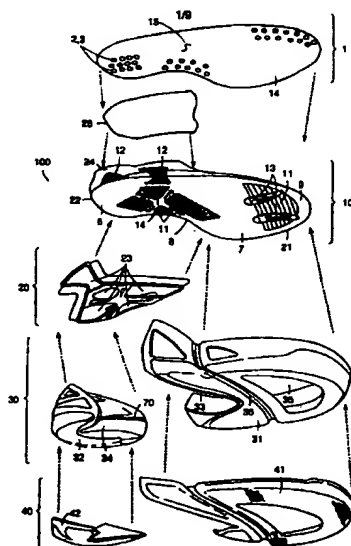
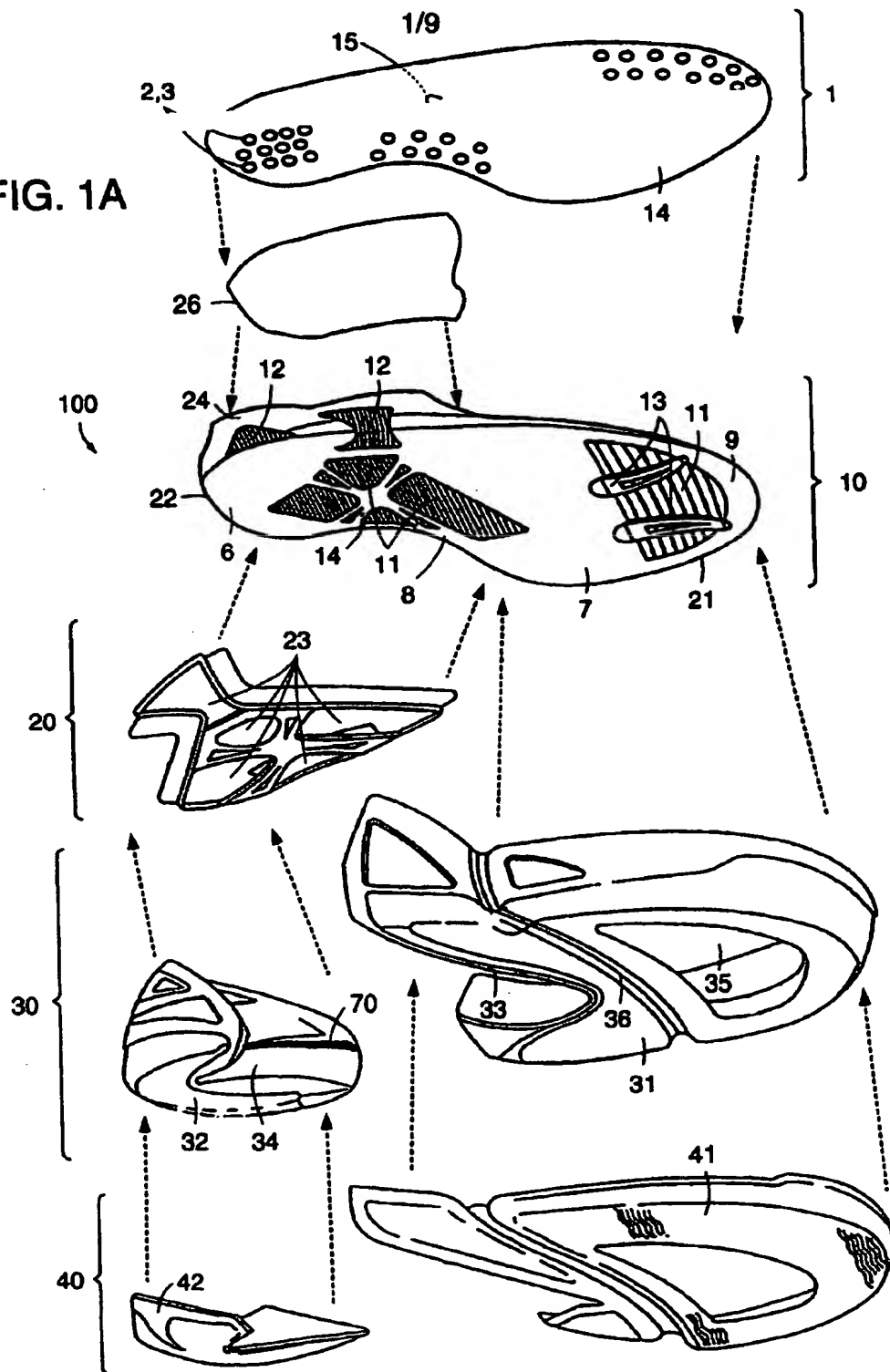


FIG. 1A



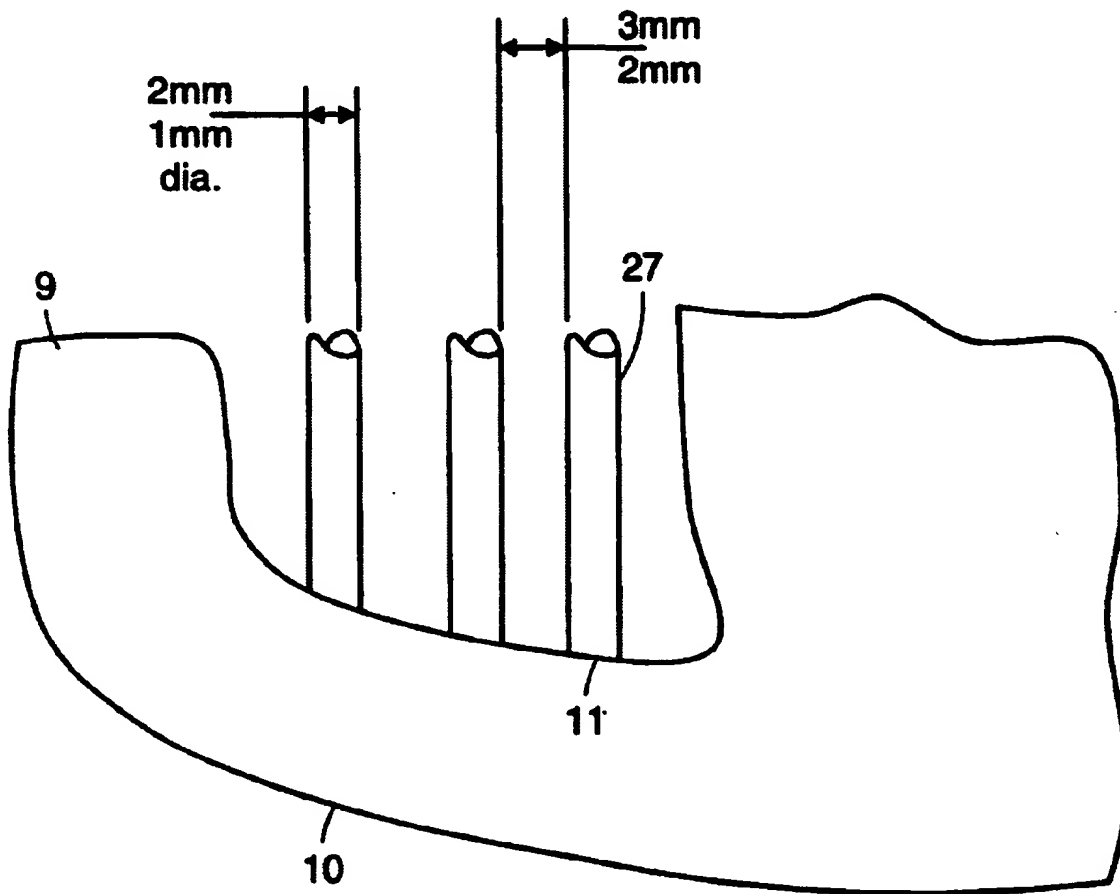
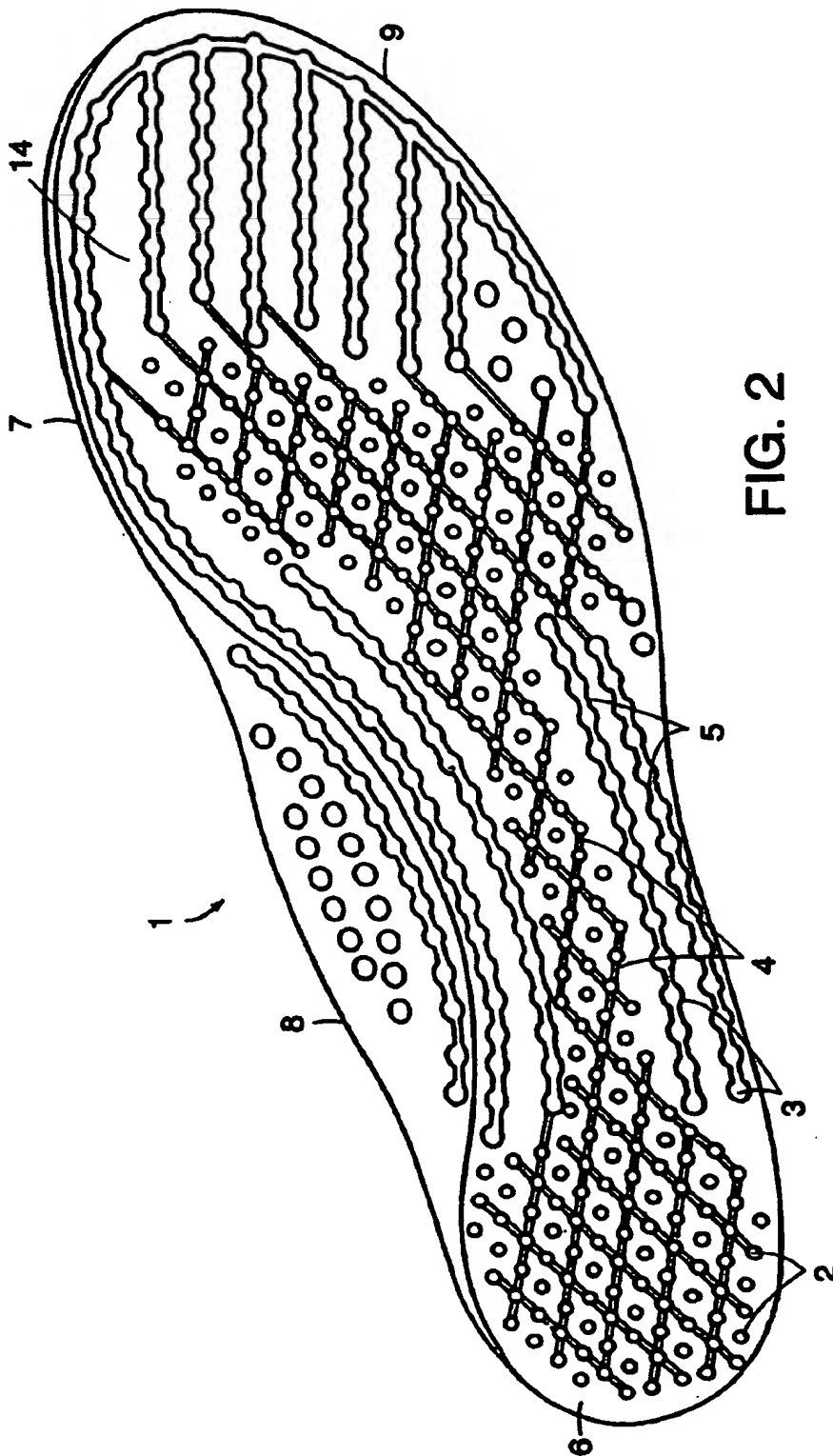


FIG. 1B



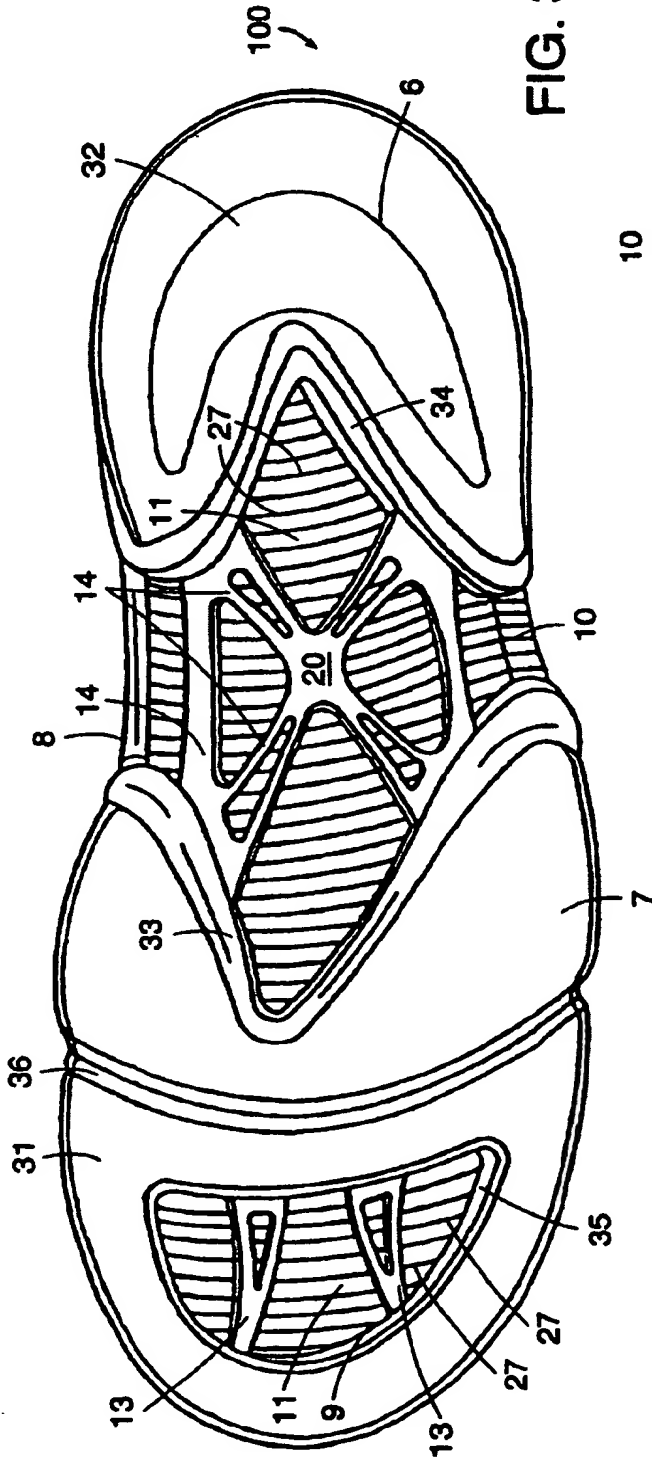


FIG. 3

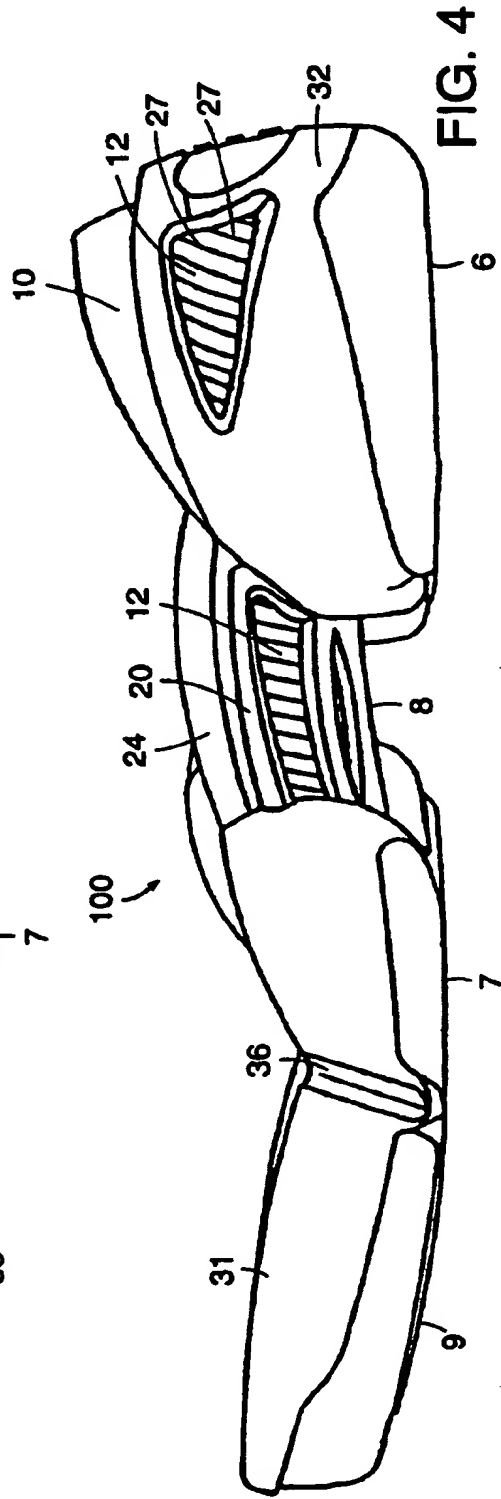


FIG. 4

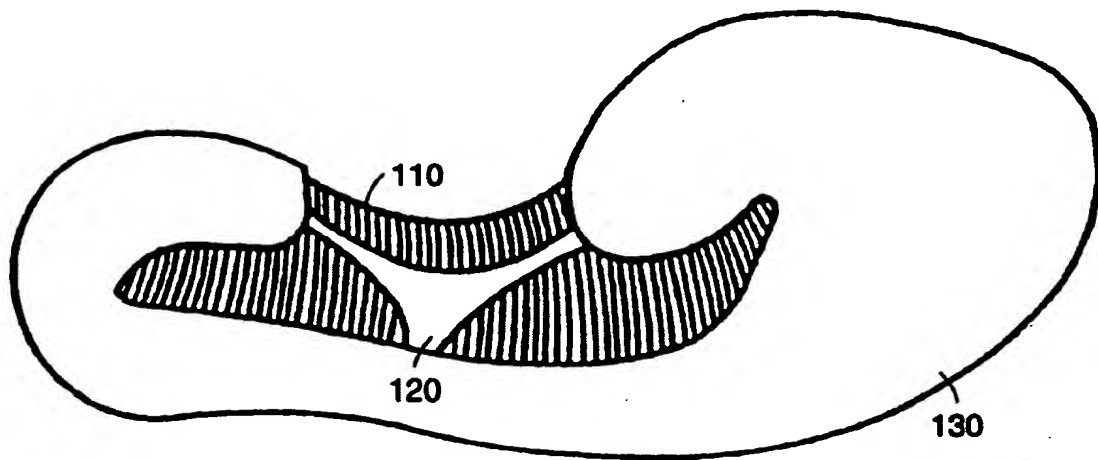


FIG. 5

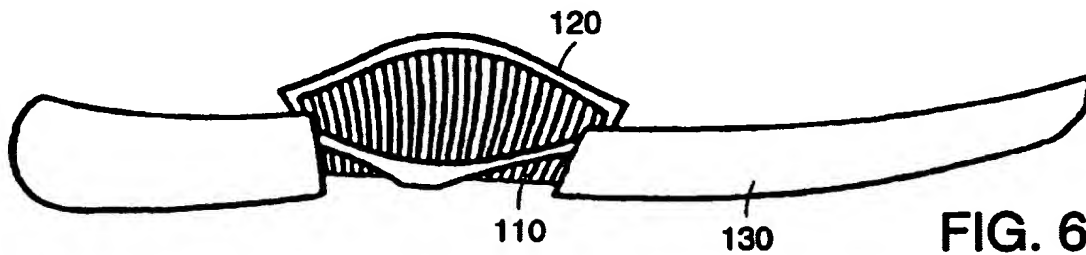


FIG. 6

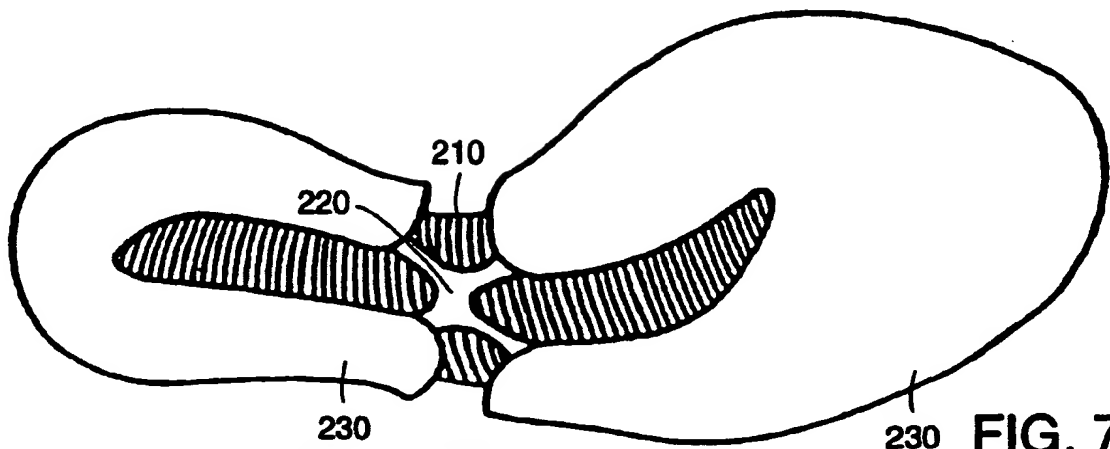


FIG. 7

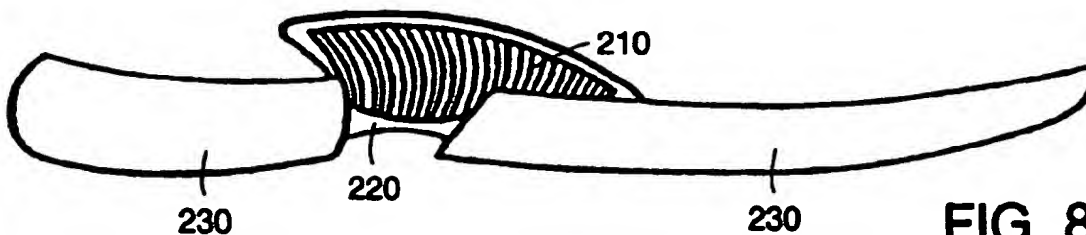
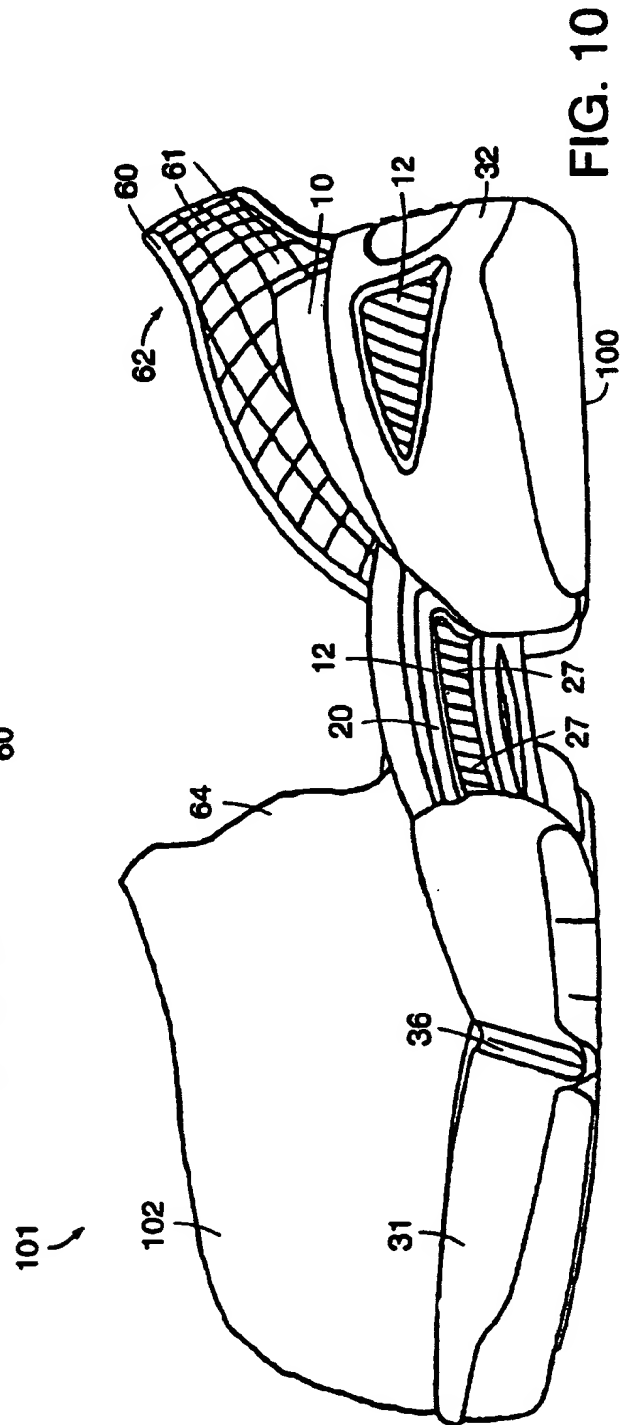
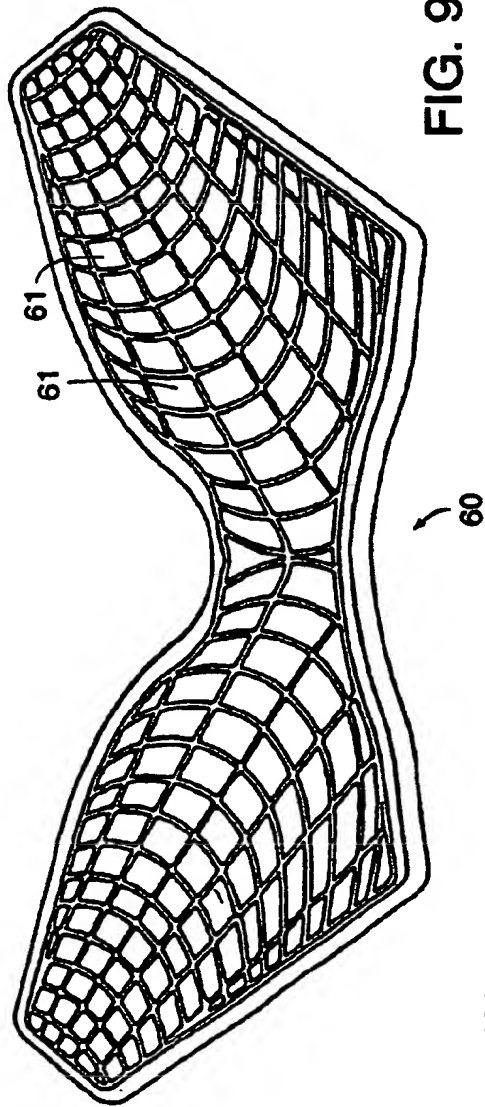


FIG. 8



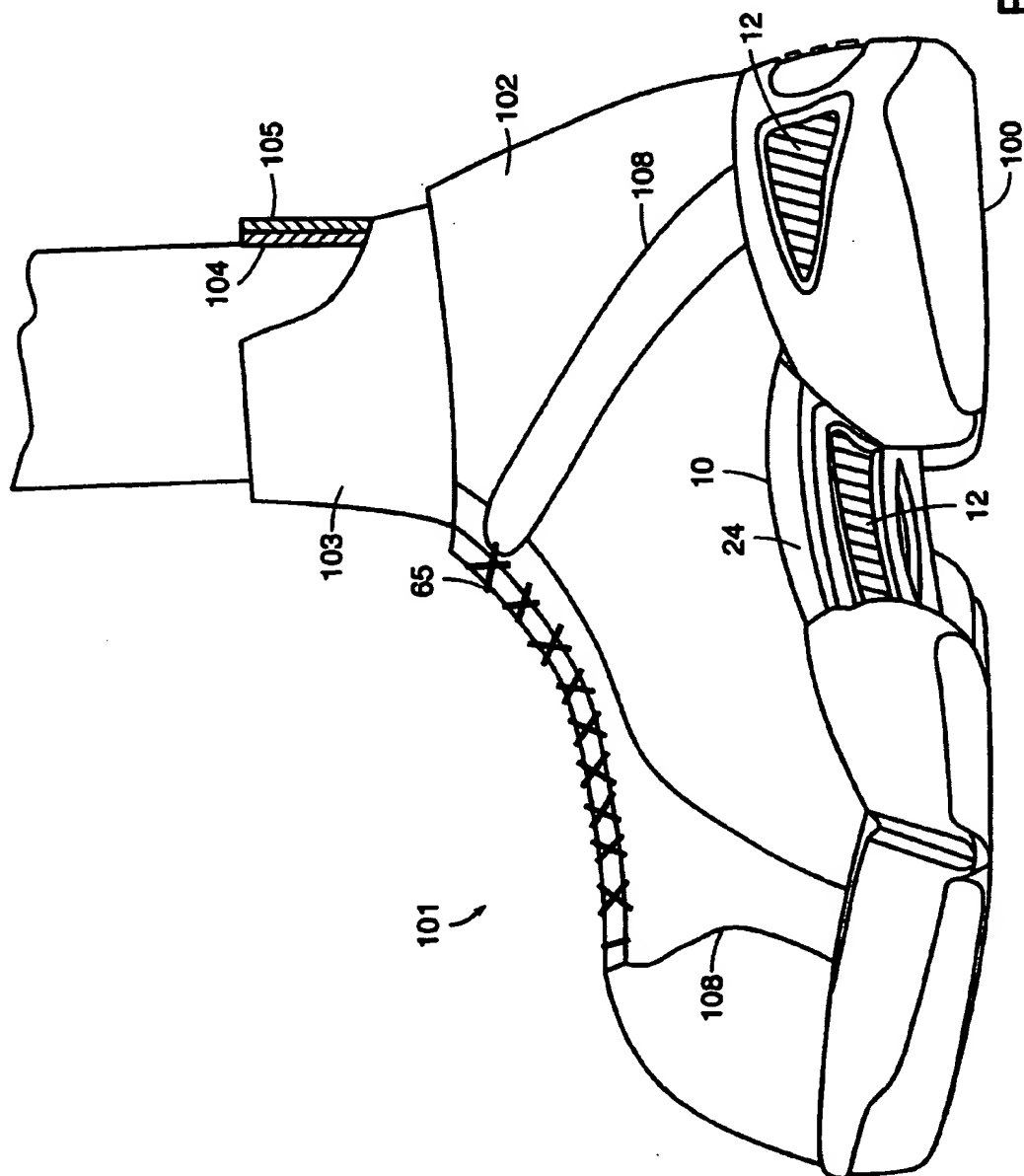


FIG. 11

U.S. Patent

Nov. 16, 2004

Sheet 8 of 9

6,817,112 B2

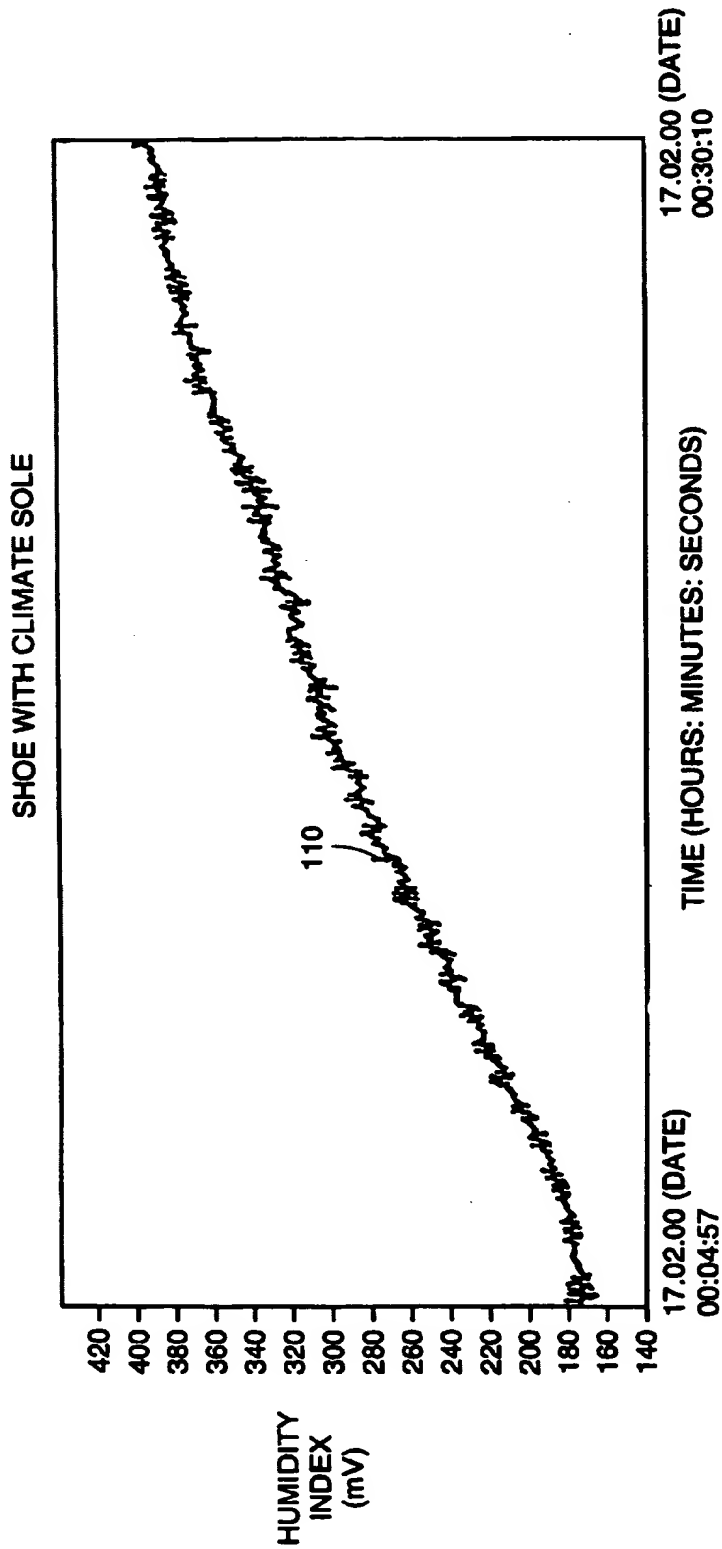


FIG. 12A

U.S. Patent

Nov. 16, 2004

Sheet 9 of 9

6,817,112 B2

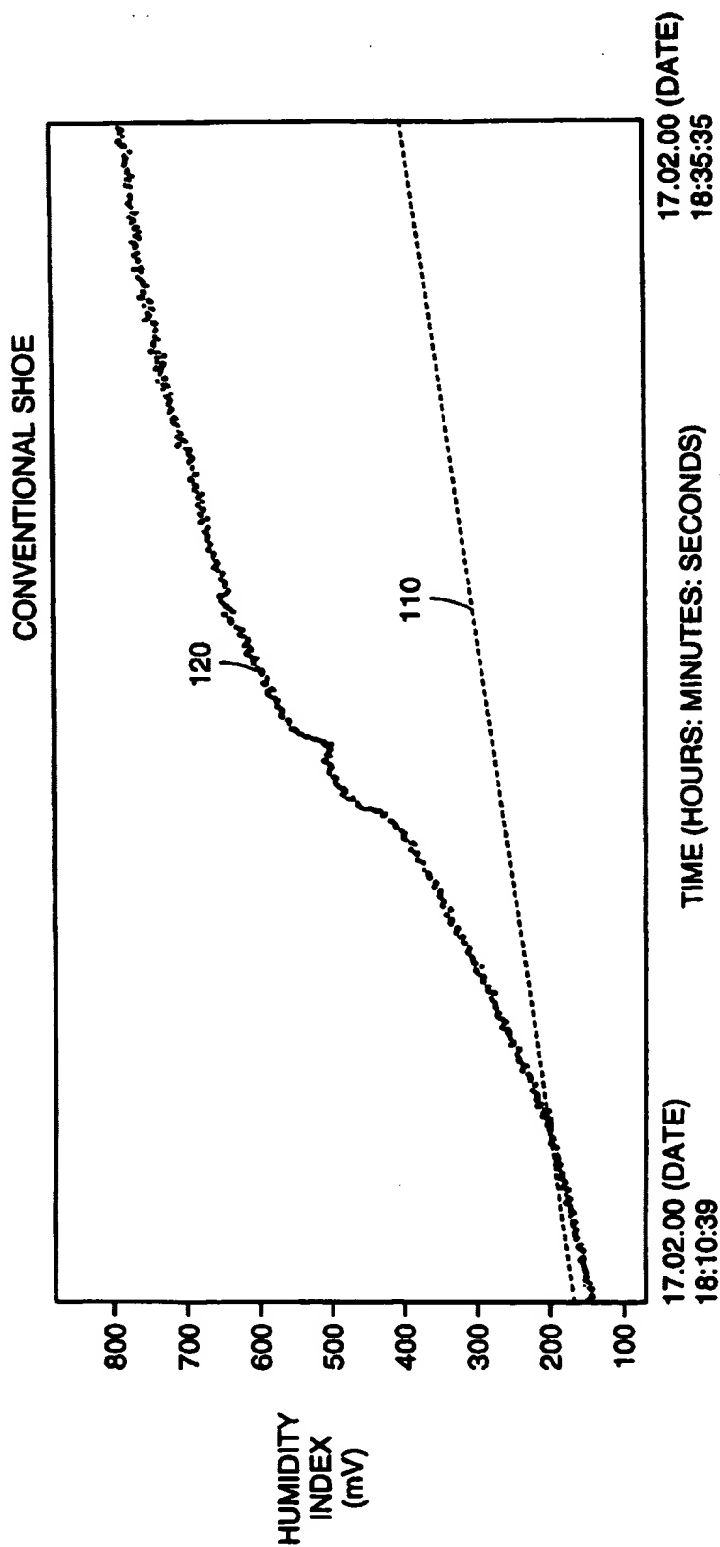


FIG. 12B